



Sequence Listing.txt  
SEQUENCE LISTING

<110> HAGAY, et al.  
<120> SPECIFIC HUMAN ANTIBODIES FOR SELECTIVE CANCER THERAPY  
<130> 10793/50  
<140> 10/029,926  
<141> 12/31/2001  
<150> 60/258,948  
<151> 12/29/2000

<160> 203  
<170> FastSEQ for Windows Version 3.0

<210> 1

<211> 10  
<212> PRT  
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Ser Ser Tyr Thr Ser Ser Ser Thr Leu Val  
1 5 10

<210> 2  
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<212> PRT  
<213> Homo sapiens

<400> 2

Ser Ser Tyr Thr Ser Ser Ser Thr Leu Gly  
1 5 10

<210> 3  
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<212> PRT  
<213> Homo sapiens

<400> 3

Gln Ser Tyr Asp Ser Asn Leu Arg Val  
1 5

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<210> 4  
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 <213> Homo sapiens

<400> 4

Gln Gln Leu Asn Ser Tyr Pro Thr  
 1 5

<210> 5  
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Asn Ser Arg Asp Ser Ser Gly Phe Gln Leu Val  
 1 5 10

<210> 6  
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Gln Gln Ala Asn Ser Phe Pro Ile Thr  
 1 5

<210> 7  
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Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln Thr  
 1 5 10 15

Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr Tyr Ala Ser  
 20 25 30

Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Ile Tyr Gly  
 35 40 45

Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Ser  
 50 55 60

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Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp  
65 70 75 80

Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly Asn His Val  
85 90 95

Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Ala Ala Ala  
100 105 110

<210> 8  
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<400> 8

Met Arg Ala Pro Val Ile  
1 5

<210> 9  
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<400> 9

Pro Trp Asp Asp Val Thr Pro Pro  
1 5

<210> 10  
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<400> 10

Gly Phe Pro Arg Ile Thr Pro Pro Ser Ala Glu Ile  
1 5 10

<210> 11  
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<400> 11

Sequence Listing.txt

Gly Phe Pro Met Pro  
1 5

<210> 12  
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<400> 12

Gly Phe Pro His Ser Ser Ser Val Ser Arg  
1 5 10

<210> 13  
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<400> 13

Arg Phe Pro Met Arg His Glu Lys Thr Asn Tyr  
1 5 10

<210> 14  
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<400> 14

Arg Phe Pro Pro Thr Ala Thr Ile  
1 5

<210> 15  
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<213> Homo sapiens

<400> 15

Thr Gln Arg Arg Asp Leu Gly  
1 5

# Sequence Listing.txt

<210> 16  
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 <213> Homo sapiens

<400> 16

Lys Phe Pro Gly Gly Thr Val Arg Gly Leu Lys  
 1 5 10

<210> 17  
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<400> 17

Gly Phe Pro Val Ile Val Glu Glu Arg Gln Ser Thr  
 1 5 10

<210> 18  
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 <400> 18

Arg Phe Pro Gln Arg Val Asp Asn Arg Val  
 1 5 10

<210> 19  
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<400> 19

Thr Gly Gln Ser Ile Lys Arg Ser  
 1 5

<210> 20  
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Sequence Listing.txt

<400> 20

Leu Thr His Pro Tyr Phe  
1 5

<210> 21

<211> 6

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<400> 21

Leu Arg Pro Pro Gln Ser  
1 5

<210> 22

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<213> Homo sapiens

<400> 22

Thr Ser Lys Asn Thr Ser Ser Ser Lys Arg His  
1 5 10

<210> 23

<211> 12

<212> PRT

<213> Homo sapiens

<400> 23

Arg Tyr Tyr Cys Arg Ser Ser Asp Cys Thr Val Ser  
1 5 10

<210> 24

<211> 10

<212> PRT

<213> Homo sapiens

<400> 24

Phe Arg Arg Met Glu Thr Val Pro Ala Pro

## Sequence Listing.txt

1

5

10

<210> 25  
 <211> 277  
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 <213> Homo sapiens

<400> 25

Met	Lys	Tyr	Leu	Leu	Pro	Thr	Ala	Ala	Ala	Gly	Leu	Leu	Leu	Leu	Ala	1	5	10	15
Ala	Gln	Pro	Ala	Met	Ala	Glu	Val	Gln	Leu	Val	Glu	Ser	Gly	Gly	Gly	20	25	30	
Val	Val	Arg	Pro	Gly	Gly	Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	35	40	45	
Phe	Thr	Phe	Asp	Asp	Tyr	Gly	Met	Ser	Trp	Val	Arg	Gln	Ala	Pro	Gly	50	55	60	
Lys	Gly	Leu	Glu	Trp	Val	Ser	Gly	Ile	Asn	Trp	Asn	Gly	Gly	Ser	Thr	65	70	75	80
Gly	Tyr	Ala	Asp	Ser	Val	Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	85	90	95	
Ala	Lys	Asn	Ser	Leu	Tyr	Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	100	105	110	
Thr	Ala	Val	Tyr	Tyr	Cys	Ala	Arg	Met	Arg	Ala	Pro	Val	Ile	Trp	Gly	115	120	125	
Gln	Gly	Thr	Leu	Val	Thr	Val	Ser	Arg	Gly	Gly	Gly	Gly	Ser	Gly	Gly	130	135	140	
Gly	Gly	Ser	Gly	Gly	Gly	Gly	Ser	Ser	Glu	Leu	Thr	Gln	Asp	Pro	Ala	145	150	155	160
Val	Ser	Val	Ala	Leu	Gly	Gln	Thr	Val	Arg	Ile	Thr	Cys	Gln	Gly	Asp	165	170	175	
Ser	Leu	Arg	Ser	Tyr	Tyr	Ala	Ser	Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Gln	180	185	190	
Ala	Pro	Val	Leu	Val	Ile	Tyr	Gly	Lys	Asn	Asn	Arg	Pro	Ser	Gly	Ile	195	200	205	
Pro	Asp	Arg	Phe	Ser	Gly	Ser	Ser	Ser	Gly	Asn	Thr	Ala	Ser	Leu	Thr	210	215	220	

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Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser  
 225 230 235 240  
 Arg Asp Ser Ser Gly Asn His Val Val Phe Gly Gly Gly Thr Lys Leu  
 245 250 255  
 Thr Val Leu Gly Ala Ala Ala Glu Gln Lys Leu Ile Ser Glu Glu Asp  
 260 265 270  
 Leu Asn Gly Ala Ala  
 275

<210> 26  
 <211> 464  
 <212> PRT  
 <213> Homo sapiens

<400> 26

Met Ala Trp Ala Leu Leu Leu Leu Thr Leu Leu Thr Gln Asp Thr Gly  
 1 5 10 15  
 Ser Trp Ala Asp Ile Gln Leu Val Glu Ser Gly Gly Gly Val Val Arg  
 20 25 30  
 Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe  
 35 40 45  
 Asp Asp Tyr Gly Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu  
 50 55 60  
 Glu Trp Val Ser Gly Ile Asn Trp Asn Gly Gly Ser Thr Gly Tyr Ala  
 65 70 75 80  
 Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn  
 85 90 95  
 Ser Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val  
 100 105 110  
 Tyr Tyr Cys Ala Arg Met Arg Ala Pro Val Ile Trp Gly Gln Gly Thr  
 115 120 125  
 Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val Phe Pro  
 130 135 140  
 Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly  
 145 150 155 160



## Sequence Listing.txt

Cys	Leu	Val	Lys	Asp	Tyr	Phe	Pro	Glu	Pro	Val	Thr	Val	Ser	Trp	Asn
				165					170					175	
Ser	Gly	Ala	Leu	Thr	Ser	Gly	Val	His	Thr	Phe	Pro	Ala	Val	Leu	Gln
			180					185					190		
Ser	Ser	Gly	Leu	Tyr	Ser	Leu	Ser	Ser	Val	Val	Thr	Val	Pro	Ser	Ser
		195					200					205			
Ser	Leu	Gly	Thr	Gln	Thr	Tyr	Ile	Cys	Asn	Val	Asn	His	Lys	Pro	Ser
	210					215					220				
Asn	Thr	Lys	Val	Asp	Lys	Arg	Val	Glu	Pro	Lys	Ser	Cys	Asp	Lys	Thr
225					230					235					240
His	Thr	Cys	Pro	Pro	Cys	Pro	Ala	Pro	Glu	Leu	Leu	Gly	Gly	Pro	Ser
				245					250					255	
Val	Phe	Leu	Phe	Pro	Pro	Lys	Pro	Lys	Asp	Thr	Leu	Met	Ile	Ser	Arg
			260					265					270		
Thr	Pro	Glu	Val	Thr	Cys	Val	Val	Val	Asp	Val	Ser	His	Glu	Asp	Pro
		275					280					285			
Glu	Val	Lys	Phe	Asn	Trp	Tyr	Val	Asp	Gly	Val	Glu	Val	His	Asn	Ala
	290					295					300				
Lys	Thr	Lys	Pro	Arg	Glu	Glu	Gln	Tyr	Asn	Ser	Thr	Tyr	Arg	Val	Val
305					310					315					320
Ser	Val	Leu	Thr	Val	Leu	His	Gln	Asp	Trp	Leu	Asn	Gly	Lys	Glu	Tyr
				325					330					335	
Lys	Cys	Lys	Val	Ser	Asn	Lys	Ala	Leu	Pro	Ala	Pro	Ile	Glu	Lys	Thr
			340					345					350		
Ile	Ser	Lys	Ala	Lys	Gly	Gln	Pro	Arg	Glu	Pro	Gln	Val	Tyr	Thr	Leu
		355					360					365			
Pro	Pro	Ser	Arg	Glu	Glu	Met	Thr	Lys	Asn	Gln	Val	Ser	Leu	Thr	Cys
		370				375					380				
Leu	Val	Lys	Gly	Phe	Tyr	Pro	Ser	Asp	Ile	Ala	Val	Glu	Trp	Glu	Ser
385					390					395					400
Asn	Gly	Gln	Pro	Glu	Asn	Asn	Tyr	Lys	Thr	Thr	Ser	Pro	Val	Leu	Asp
				405					410					415	
Ser	Asp	Gly	Ser	Phe	Phe	Leu	Tyr	Ser	Lys	Leu	Thr	Val	Asp	Lys	Ser
			420					425					430		
Arg	Trp	Gln	Gln	Gly	Asn	Val	Phe	Ser	Cys	Ser	Val	Met	His	Glu	Ala

## Sequence Listing.txt

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435                               440                               445
Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Leu Gly Lys
450                               455                               460

<210> 27
<211> 233
<212> PRT
<213> Homo sapiens

<400> 27

Met Ala Trp Ala Leu Leu Leu Leu Thr Leu Leu Thr Gln Asp Thr Gly
1                               5                               10                               15

Ser Trp Ala Asp Ala Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala
20                               25                               30

Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser
35                               40                               45

Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu
50                               55                               60

Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe
65                               70                               75                               80

Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala
85                               90                               95

Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser
100                              105                              110

Gly Asn His Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
115                              120                              125

Gln Pro Lys Ala Ala Pro Ser Val Thr Leu Phe Pro Pro Ser Ser Glu
130                              135                              140

Glu Leu Gln Ala Asn Lys Ala Thr Leu Val Cys Leu Ile Ser Asp Phe
145                              150                              155                              160

Tyr Pro Gly Ala Val Thr Val Ala Trp Lys Ala Asp Ser Ser Pro Val
165                              170                              175

Lys Ala Gly Val Glu Thr Thr Thr Pro Ser Lys Gln Ser Asn Asn Lys
180                              185                              190

Tyr Ala Ala Ser Ser Tyr Leu Ser Leu Thr Pro Glu Gln Trp Lys Ser
195                              200                              205

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Sequence Listing.txt

His Lys Ser Tyr Ser Cys Gln Val Thr His Glu Gly Ser Thr Val Glu  
210 215 220

Lys Thr Val Ala Pro Thr Glu Cys Ser  
225 230

<210> 28  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 28

Phe Leu Thr Tyr Asn Ser Tyr Glu Val Pro Thr  
1 5 10

<210> 29  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 29

Thr Asn Trp Tyr Leu Arg Pro Leu Asn  
1 5

<210> 30  
<211> 98  
<212> PRT  
<213> Homo sapiens

<400> 30

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Thr Val Lys Ile Ser Cys Lys Val Ser Gly Tyr Thr Phe Thr Asp Tyr  
20 25 30

Tyr Met His Trp Val Gln Gln Ala Pro Gly Lys Gly Leu Glu Trp Met  
35 40 45

Gly Leu Val Asp Pro Glu Asp Gly Glu Thr Ile Tyr Ala Glu Lys Phe  
50 55 60

Sequence Listing.txt

Gln Gly Arg Val Thr Ile Thr Ala Asp Thr Ser Thr Asp Thr Ala Tyr  
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Thr

<210> 31  
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<213> Homo sapiens

<400> 31

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ile Phe Thr Asp Tyr  
20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Glu Leu Gly Trp Met  
35 40 45

Gly Arg Ile Asn Pro Asn Ser Gly Gly Thr Asn Tyr Ala Gln Lys Phe  
50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr  
65 70 75 80

Thr Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Thr Tyr Tyr Cys  
85 90 95

Ala Arg

<210> 32  
<211> 98  
<212> PRT  
<213> Homo sapiens

<400> 32

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Val Ser Gly Tyr Thr Leu Thr Glu Leu

## Sequence Listing.txt

20

25

30

Ser Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Met  
                   35                                  40                                  45

Gly Gly Phe Asp Pro Glu Asp Gly Glu Thr Ile Tyr Ala Gln Lys Phe  
           50                                  55                                  60

Gln Gly Arg Val Thr Met Thr Glu Asp Thr Ser Thr Asp Thr Ala Tyr  
   65                                  70                                  75                                  80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
                                   85                                  90                                  95

Ala Thr

<210> 33  
 <211> 98  
 <212> PRT  
 <213> Homo sapiens

<400> 33

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
   1                                  5                                  10                                  15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr  
                                   20                                  25                                  30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
                   35                                  40                                  45

Gly Arg Ile Asn Pro Asn Ser Gly Gly Thr Asn Tyr Ala Gln Lys Phe  
           50                                  55                                  60

Gln Gly Arg Val Thr Ser Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr  
   65                                  70                                  75                                  80

Met Glu Leu Ser Arg Leu Arg Ser Asp Asp Thr Val Val Tyr Tyr Cys  
                                   85                                  90                                  95

Ala Arg

<210> 34  
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 <212> PRT

Sequence Listing.txt

<213> Homo sapiens

<400> 34

Gln	Val	Gln	Leu	Val	Gln	Ser	Gly	Ala	Glu	Val	Lys	Lys	Pro	Gly	Ala	
1				5					10					15		
Ser	Val	Lys	Val	Ser	Cys	Lys	Ala	Ser	Gly	Tyr	Thr	Phe	Thr	Gly	Tyr	
			20					25					30			
Tyr	Met	His	Trp	Val	Arg	Gln	Ala	Pro	Gly	Gln	Gly	Leu	Glu	Trp	Met	
		35					40					45				
Gly	Trp	Ile	Asn	Pro	Asn	Ser	Gly	Gly	Thr	Asn	Tyr	Ala	Gln	Lys	Phe	
	50					55					60					
Gln	Gly	Arg	Val	Thr	Met	Thr	Arg	Asp	Thr	Ser	Ile	Ser	Thr	Ala	Tyr	
65					70					75					80	
Met	Glu	Leu	Ser	Arg	Leu	Arg	Ser	Asp	Asp	Thr	Ala	Val	Tyr	Tyr	Cys	
				85					90					95		

Ala Arg

<210> 35

<211> 98

<212> PRT

<213> Homo sapiens

<400> 35

Gln	Val	Gln	Leu	Val	Gln	Ser	Gly	Ala	Glu	Val	Lys	Lys	Pro	Gly	Ala	
1				5					10					15		
Ser	Val	Lys	Val	Ser	Cys	Lys	Ala	Ser	Gly	Tyr	Thr	Phe	Thr	Gly	Tyr	
			20					25					30			
Tyr	Met	His	Trp	Val	Arg	Gln	Ala	Pro	Gly	Gln	Gly	Leu	Glu	Trp	Met	
		35					40					45				
Gly	Trp	Ile	Asn	Pro	Asn	Ser	Gly	Gly	Thr	Asn	Tyr	Ala	Gln	Lys	Phe	
	50					55					60					
Gln	Gly	Trp	Val	Thr	Met	Thr	Arg	Asp	Thr	Ser	Ile	Ser	Thr	Ala	Tyr	
65					70					75					80	
Met	Glu	Leu	Ser	Arg	Leu	Arg	Ser	Asp	Asp	Thr	Ala	Val	Tyr	Tyr	Cys	
				85					90					95		

Sequence Listing.txt

Ala Arg

<210> 36  
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 <213> Homo sapiens

<220>  
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 <222> (1)..(98)  
 <223> Xaa

<400> 36

Gln	Val	Gln	Leu	Val	Gln	Ser	Gly	Ala	Glu	Val	Lys	Lys	Leu	Gly	Ala
1				5					10					15	
Ser	Val	Lys	Val	Ser	Cys	Lys	Ala	Ser	Gly	Tyr	Thr	Phe	Thr	Gly	Tyr
			20					25					30		
Tyr	Met	His	Trp	Val	Xaa	Gln	Ala	Pro	Gly	Gln	Gly	Leu	Glu	Trp	Met
		35					40					45			
Gly	Trp	Ile	Asn	Pro	Asn	Ser	Gly	Gly	Thr	Asn	Tyr	Ala	Gln	Lys	Phe
	50					55					60				
Gln	Gly	Arg	Val	Thr	Met	Thr	Arg	Asp	Thr	Ser	Ile	Ser	Thr	Ala	Tyr
65					70					75					80
Met	Glu	Leu	Ser	Arg	Leu	Arg	Ser	Asp	Asp	Thr	Ala	Val	Tyr	Tyr	Cys
				85					90					95	

Ala Arg

<210> 37  
 <211> 98  
 <212> PRT  
 <213> Homo sapiens

<400> 37

Gln	Val	Gln	Leu	Val	Gln	Ser	Gly	Ala	Glu	Val	Lys	Lys	Pro	Gly	Ala
1				5					10					15	
Ser	Val	Lys	Val	Ser	Cys	Lys	Ala	Ser	Gly	Tyr	Thr	Phe	Thr	Asn	Tyr
			20					25					30		

Sequence Listing.txt

Cys	Met	His	Trp	Val	Arg	Gln	Val	His	Ala	Gln	Gly	Leu	Glu	Trp	Met
		35					40					45			
Gly	Leu	Val	Cys	Pro	Ser	Asp	Gly	Ser	Thr	Ser	Tyr	Ala	Gln	Lys	Phe
	50					55					60				
Gln	Ala	Arg	Val	Thr	Ile	Thr	Arg	Asp	Thr	Ser	Met	Ser	Thr	Ala	Tyr
65					70					75					80
Met	Glu	Leu	Ser	Ser	Leu	Arg	Ser	Glu	Asp	Thr	Ala	Met	Tyr	Tyr	Cys
				85					90					95	
Val	Arg														

<210> 38  
 <211> 98  
 <212> PRT  
 <213> Homo sapiens

<400> 38

Gln	Met	Gln	Leu	Val	Gln	Ser	Gly	Pro	Glu	Val	Lys	Lys	Pro	Gly	Thr
1				5					10					15	
Ser	Val	Lys	Val	Ser	Cys	Lys	Ala	Ser	Gly	Phe	Thr	Phe	Thr	Ser	Ser
			20					25					30		
Ala	Val	Gln	Trp	Val	Arg	Gln	Ala	Arg	Gly	Gln	Arg	Leu	Glu	Trp	Ile
		35					40					45			
Gly	Trp	Ile	Val	Val	Gly	Ser	Gly	Asn	Thr	Asn	Tyr	Ala	Gln	Lys	Phe
	50					55					60				
Gln	Glu	Arg	Val	Thr	Ile	Thr	Arg	Asp	Met	Ser	Thr	Ser	Thr	Ala	Tyr
65					70					75					80
Met	Glu	Leu	Ser	Ser	Leu	Arg	Ser	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys
				85					90					95	
Ala	Ala														

<210> 39  
 <211> 98  
 <212> PRT  
 <213> Homo sapiens



Sequence Listing.txt

<400> 39

Gln	Val	Gln	Leu	Val	Gln	Ser	Gly	Ala	Glu	Val	Lys	Lys	Pro	Gly	Ser
1				5					10					15	
Ser	Val	Lys	Val	Ser	Cys	Lys	Ala	Ser	Gly	Gly	Thr	Phe	Ser	Ser	Tyr
			20					25					30		
Ala	Ile	Ser	Trp	Val	Arg	Gln	Ala	Pro	Gly	Gln	Gly	Leu	Glu	Trp	Met
		35					40					45			
Gly	Gly	Ile	Ile	Pro	Ile	Phe	Gly	Thr	Ala	Asn	Tyr	Ala	Gln	Lys	Phe
	50					55					60				
Gln	Gly	Arg	Val	Thr	Ile	Thr	Ala	Asp	Glu	Ser	Thr	Ser	Thr	Ala	Tyr
65					70					75					80
Met	Glu	Leu	Ser	Ser	Leu	Arg	Ser	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys
				85					90					95	

Ala Arg

<210> 40

<211> 98

<212> PRT

<213> Homo sapiens

<400> 40

Gln	Val	Gln	Leu	Val	Gln	Ser	Gly	Ala	Glu	Val	Lys	Lys	Pro	Gly	Ser
1				5					10					15	
Ser	Val	Lys	Val	Ser	Cys	Lys	Ala	Ser	Gly	Gly	Thr	Phe	Ser	Ser	Tyr
			20					25					30		
Ala	Ile	Ser	Trp	Val	Arg	Gln	Ala	Pro	Gly	Gln	Gly	Leu	Glu	Trp	Met
		35					40					45			
Gly	Arg	Ile	Ile	Pro	Ile	Leu	Gly	Ile	Ala	Asn	Tyr	Ala	Gln	Lys	Phe
	50					55					60				
Gln	Gly	Arg	Val	Thr	Ile	Thr	Ala	Asp	Lys	Ser	Thr	Ser	Thr	Ala	Tyr
65					70					75					80
Met	Glu	Leu	Ser	Ser	Leu	Arg	Ser	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys
				85					90					95	

Ala Arg

# Sequence Listing.txt

<210> 41  
 <211> 98  
 <212> PRT  
 <213> Homo sapiens

<400> 41

Gln	Val	Gln	Leu	Val	Gln	Ser	Gly	Ala	Glu	Val	Lys	Lys	Pro	Gly	Ala
1				5					10					15	
Ser	Val	Lys	Val	Ser	Cys	Lys	Ala	Ser	Gly	Tyr	Thr	Phe	Thr	Ser	Tyr
			20					25					30		
Ala	Met	His	Trp	Val	Arg	Gln	Ala	Pro	Gly	Gln	Arg	Leu	Glu	Trp	Met
		35					40					45			
Gly	Trp	Ile	Asn	Ala	Gly	Asn	Gly	Asn	Thr	Lys	Tyr	Ser	Gln	Lys	Phe
	50					55					60				
Gln	Gly	Arg	Val	Thr	Ile	Thr	Arg	Asp	Thr	Ser	Ala	Ser	Thr	Ala	Tyr
65					70					75					80
Met	Glu	Leu	Ser	Ser	Leu	Arg	Ser	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys
				85					90					95	

Ala Arg

<210> 42  
 <211> 98  
 <212> PRT  
 <213> Homo sapiens  
 <400> 42

Gln	Val	Gln	Leu	Val	Gln	Ser	Gly	Ala	Glu	Val	Lys	Lys	Pro	Gly	Ala
1				5					10					15	
Ser	Val	Lys	Val	Ser	Cys	Lys	Ala	Ser	Gly	Tyr	Thr	Phe	Thr	Ser	Tyr
			20					25					30		
Ala	Met	His	Trp	Val	Arg	Gln	Ala	Pro	Gly	Gln	Arg	Leu	Glu	Trp	Met
		35					40					45			
Gly	Trp	Ser	Asn	Ala	Gly	Asn	Gly	Asn	Thr	Lys	Tyr	Ser	Gln	Glu	Phe
	50					55					60				
Gln	Gly	Arg	Val	Thr	Ile	Thr	Arg	Asp	Thr	Ser	Ala	Ser	Thr	Ala	Tyr

Sequence Listing.txt

65		70		75		80									
Met	Glu	Leu	Ser	Ser	Leu	Arg	Ser	Glu	Asp	Met	Ala	Val	Tyr	Tyr	Cys
				85					90					95	

Ala Arg

<210> 43  
 <211> 98  
 <212> PRT  
 <213> Homo sapiens

<400> 43

Gln	Val	Gln	Leu	Val	Gln	Ser	Gly	Ser	Glu	Leu	Lys	Lys	Pro	Gly	Ala
1				5					10					15	
Ser	Val	Lys	Val	Ser	Cys	Lys	Ala	Ser	Gly	Tyr	Thr	Phe	Thr	Ser	Tyr
			20					25					30		
Ala	Met	Asn	Trp	Val	Arg	Gln	Ala	Pro	Gly	Gln	Gly	Leu	Glu	Trp	Met
		35					40					45			
Gly	Trp	Ile	Asn	Thr	Asn	Thr	Gly	Asn	Pro	Thr	Tyr	Ala	Gln	Gly	Phe
	50					55					60				
Thr	Gly	Arg	Phe	Val	Phe	Ser	Leu	Asp	Thr	Ser	Val	Ser	Thr	Ala	Tyr
65					70				75					80	
Leu	Gln	Ile	Cys	Ser	Leu	Lys	Ala	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys
				85					90					95	

Ala Arg

<210> 44  
 <211> 98  
 <212> PRT  
 <213> Homo sapiens  
 <400> 44

Gln	Val	Gln	Leu	Val	Gln	Ser	Gly	Ser	Glu	Leu	Lys	Lys	Pro	Gly	Ala
1				5					10					15	
Ser	Val	Lys	Val	Ser	Cys	Lys	Ala	Ser	Gly	Tyr	Thr	Phe	Thr	Ser	Tyr
			20					25					30		

Sequence Listing.txt

Ala	Met	Asn	Trp	Val	Arg	Gln	Ala	Pro	Gly	Gln	Gly	Leu	Glu	Trp	Met
		35					40					45			
Gly	Trp	Ile	Asn	Thr	Asn	Thr	Gly	Asn	Pro	Thr	Tyr	Ala	Gln	Gly	Phe
	50					55					60				
Thr	Gly	Arg	Phe	Val	Phe	Ser	Leu	Asp	Thr	Ser	Val	Ser	Thr	Ala	Tyr
65					70					75					80
Leu	Gln	Ile	Ser	Ser	Leu	Lys	Ala	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys
			85						90					95	

Ala Arg

<210> 45  
 <211> 98  
 <212> PRT  
 <213> Homo sapiens  
 <400> 45

Gln	Val	Gln	Leu	Val	Gln	Ser	Gly	Ala	Glu	Val	Lys	Lys	Pro	Gly	Ala
1				5					10					15	
Ser	Val	Lys	Val	Ser	Cys	Lys	Ala	Ser	Gly	Tyr	Thr	Phe	Thr	Ser	Tyr
			20					25					30		
Asp	Ile	Asn	Trp	Val	Arg	Gln	Ala	Thr	Gly	Gln	Gly	Leu	Glu	Trp	Met
		35					40					45			
Gly	Trp	Met	Asn	Pro	Asn	Ser	Gly	Asn	Thr	Gly	Tyr	Ala	Gln	Lys	Phe
	50					55					60				
Gln	Gly	Arg	Val	Thr	Met	Thr	Arg	Asn	Thr	Ser	Ile	Ser	Thr	Ala	Tyr
65					70					75					80
Met	Glu	Leu	Ser	Ser	Leu	Arg	Ser	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys
				85					90					95	

Ala Arg

<210> 46  
 <211> 98  
 <212> PRT  
 <213> Homo sapiens  
 <400> 46

Sequence Listing.txt

```

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1          5          10          15
Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr
          20          25          30
Gly Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
          35          40          45
Gly Trp Ile Ser Ala Tyr Asn Gly Asn Thr Asn Tyr Ala Gln Lys Leu
          50          55          60
Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr
65          70          75          80
Met Glu Leu Arg Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys
          85          90          95

```

Ala Arg

```

<210> 47
<211> 92
<212> PRT
<213> Homo sapiens
<400> 47

```

```

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1          5          10          15
Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr
          20          25          30
Gly Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
          35          40          45
Gly Trp Ile Ser Ala Tyr Asn Gly Asn Thr Asn Tyr Ala Gln Lys Leu
          50          55          60
Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr
65          70          75          80
Met Glu Leu Arg Ser Leu Arg Ser Asp Asp Thr Ala
          85          90

```

```

<210> 48
<211> 98
<212> PRT

```

Sequence Listing.txt

<213> Homo sapiens  
<400> 48

Gln	Val	Gln	Leu	Val	Gln	Ser	Gly	Ala	Glu	Val	Lys	Lys	Pro	Gly	Ala	
1				5					10					15		
Ser	Val	Lys	Val	Ser	Cys	Lys	Ala	Ser	Gly	Tyr	Thr	Phe	Thr	Ser	Tyr	
			20					25					30			
Tyr	Met	His	Trp	Val	Arg	Gln	Ala	Pro	Gly	Gln	Gly	Leu	Glu	Trp	Met	
		35					40					45				
Gly	Ile	Ile	Asn	Pro	Ser	Gly	Gly	Ser	Thr	Ser	Tyr	Ala	Gln	Lys	Phe	
	50					55					60					
Gln	Gly	Arg	Val	Thr	Met	Thr	Arg	Asp	Thr	Ser	Thr	Ser	Thr	Val	Tyr	
65					70					75					80	
Met	Glu	Leu	Ser	Ser	Leu	Arg	Ser	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys	
				85					90					95		

Ala Arg

<210> 49  
<211> 98  
<212> PRT  
<213> Homo sapiens  
<400> 49

Gln	Val	Gln	Leu	Val	Gln	Ser	Gly	Ala	Glu	Val	Lys	Lys	Pro	Gly	Ala	
1				5					10					15		
Ser	Val	Lys	Val	Ser	Cys	Lys	Ala	Ser	Gly	Tyr	Thr	Phe	Asn	Ser	Tyr	
			20					25					30			
Tyr	Met	His	Trp	Val	Arg	Gln	Ala	Pro	Gly	Gln	Gly	Leu	Glu	Trp	Met	
		35					40					45				
Gly	Ile	Ile	Asn	Pro	Ser	Gly	Gly	Ser	Thr	Ser	Tyr	Ala	Gln	Lys	Phe	
	50					55					60					
Gln	Gly	Arg	Val	Thr	Met	Thr	Arg	Asp	Thr	Ser	Thr	Ser	Thr	Val	Tyr	
65					70					75					80	
Met	Glu	Leu	Ser	Ser	Leu	Arg	Ser	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys	
				85					90					95		

Ala Arg

# Sequence Listing.txt

<210> 50  
 <211> 98  
 <212> PRT  
 <213> Homo sapiens

<400> 50

Gln	Met	Gln	Leu	Val	Gln	Ser	Gly	Ala	Glu	Val	Lys	Lys	Thr	Gly	Ser
1				5					10					15	
Ser	Val	Lys	Val	Ser	Cys	Lys	Ala	Ser	Gly	Tyr	Thr	Phe	Thr	Tyr	Arg
			20					25					30		
Tyr	Leu	His	Trp	Val	Arg	Gln	Ala	Pro	Gly	Gln	Ala	Leu	Glu	Trp	Met
		35					40					45			
Gly	Trp	Ile	Thr	Pro	Phe	Asn	Gly	Asn	Thr	Asn	Tyr	Ala	Gln	Lys	Phe
	50					55					60				
Gln	Asp	Arg	Val	Thr	Ile	Thr	Arg	Asp	Arg	Ser	Met	Ser	Thr	Ala	Tyr
65					70					75					80
Met	Glu	Leu	Ser	Ser	Leu	Arg	Ser	Glu	Asp	Thr	Ala	Met	Tyr	Tyr	Cys
				85					90					95	

Ala Arg

<210> 51  
 <211> 98  
 <212> PRT  
 <213> Homo sapiens

<400> 51

Gln	Met	Gln	Leu	Val	Gln	Ser	Gly	Ala	Glu	Val	Lys	Lys	Thr	Gly	Ser
1				5					10					15	
Ser	Val	Lys	Val	Ser	Cys	Lys	Ala	Ser	Gly	Tyr	Thr	Phe	Thr	Tyr	Arg
			20					25					30		
Tyr	Leu	His	Trp	Val	Arg	Gln	Ala	Pro	Gly	Gln	Ala	Leu	Glu	Trp	Met
		35					40					45			
Gly	Trp	Ile	Thr	Pro	Phe	Asn	Gly	Asn	Thr	Asn	Tyr	Ala	Gln	Lys	Phe
	50					55					60				

Sequence Listing.txt

Gln Asp Arg Val Thr Ile Thr Arg Asp Arg Ser Met Ser Thr Ala Tyr  
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Met Tyr Tyr Cys  
85 90 95

Ala Arg

<210> 52  
<211> 96  
<212> PRT  
<213> Homo sapiens

<400> 52

Gln Val Thr Leu Lys Glu Ser Gly Pro Val Leu Val Lys Pro Thr Glu  
1 5 10 15

Thr Leu Thr Leu Thr Cys Thr Val Ser Gly Phe Ser Leu Ser Asn Ala  
20 25 30

Arg Met Gly Val Ser Trp Ile Arg Gln Pro Pro Gly Lys Ala Leu Glu  
35 40 45

Trp Leu Ala His Ile Phe Ser Asn Asp Glu Lys Ser Tyr Ser Thr Ser  
50 55 60

Leu Lys Ser Arg Leu Thr Ile Ser Lys Asp Thr Ser Lys Ser Gln Val  
65 70 75 80

Val Leu Thr Met Thr Asn Met Asp Pro Val Asp Thr Ala Thr Tyr Tyr  
85 90 95

<210> 53  
<211> 99  
<212> PRT  
<213> Homo sapiens  
<400> 53

Gln Ile Thr Leu Lys Glu Ser Gly Pro Thr Leu Val Lys Pro Thr Gln  
1 5 10 15

Thr Leu Thr Leu Thr Cys Thr Phe Ser Gly Phe Ser Leu Ser Thr Ser  
20 25 30

Glu Trp Cys Gly Trp Ile Arg Gln Pro Pro Gly Lys Ala Leu Glu Trp  
35 40 45

Leu Ala Leu Ile Tyr Trp Asn Asp Asp Lys Arg Tyr Ser Pro Ser Leu



Sequence Listing.txt

50

55

60

Lys Ser Arg Leu Thr Ile Thr Lys Asp Thr Ser Lys Asn Gln Val Val  
65 70 75 80

Leu Thr Met Thr Asn Met Asp Pro Val Asp Thr Ala Thr Tyr Tyr Cys  
85 90 95

Ala His Arg

<210> 54

<211> 96

<212> PRT

<213> Homo sapiens

<400> 54

Gln Val Thr Leu Arg Glu Ser Gly Pro Ala Leu Val Lys Pro Thr Gln  
1 5 10 15

Thr Leu Thr Leu Thr Cys Thr Phe Ser Gly Phe Ser Leu Ser Thr Ser  
20 25 30

Gly Met Cys Val Ser Trp Ile Arg Gln Pro Pro Gly Lys Ala Leu Glu  
35 40 45

Trp Leu Ala Leu Ile Asp Trp Asp Asp Asp Lys Tyr Tyr Ser Thr Ser  
50 55 60

Leu Lys Thr Arg Leu Thr Ile Ser Lys Asp Thr Ser Lys Asn Gln Val  
65 70 75 80

Val Leu Thr Met Thr Asn Met Asp Pro Val Asp Thr Ala Thr Tyr Tyr  
85 90 95

<210> 55

<211> 96

<212> PRT

<213> Homo sapiens

<400> 55

Gln Val Thr Leu Lys Glu Ser Gly Pro Ala Leu Val Lys Pro Thr Gln  
1 5 10 15

Thr Leu Thr Leu Thr Cys Thr Phe Ser Gly Phe Ser Leu Ser Thr Ser  
20 25 30

Gly Met Arg Val Ser Trp Ile Arg Gln Pro Pro Gly Lys Ala Leu Glu

## Sequence Listing.txt

35

40

45

Trp Leu Ala Arg Ile Asp Trp Asp Asp Asp Lys Phe Tyr Ser Thr Ser  
 50 55 60

Leu Lys Thr Arg Leu Thr Ile Ser Lys Asp Thr Ser Lys Asn Gln Val  
 65 70 75 80

Val Leu Thr Met Thr Asn Met Asp Pro Val Asp Thr Ala Thr Tyr Tyr  
 85 90 95

&lt;210&gt; 56

&lt;211&gt; 100

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 56

Gln Ile Thr Leu Lys Glu Ser Gly Pro Thr Leu Val Lys Pro Thr Gln  
 1 5 10 15

Thr Leu Thr Leu Thr Cys Thr Phe Ser Gly Phe Ser Leu Ser Thr Ser  
 20 25 30

Gly Val Gly Val Gly Trp Ile Arg Gln Pro Pro Gly Lys Ala Leu Glu  
 35 40 45

Trp Leu Ala Leu Ile Tyr Trp Asn Asp Asp Lys Arg Tyr Ser Pro Ser  
 50 55 60

Leu Lys Ser Arg Leu Thr Ile Thr Lys Asp Thr Ser Lys Asn Gln Val  
 65 70 75 80

Val Leu Thr Met Thr Asn Met Asp Pro Val Asp Thr Ala Thr Tyr Tyr  
 85 90 95

Cys Ala His Arg  
 100

&lt;210&gt; 57

&lt;211&gt; 100

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 57

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
 1 5 10 15

Sequence Listing.txt

```

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asp His
      20                      25                      30
Tyr Met Asp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
      35                      40                      45
Gly Arg Thr Arg Asn Lys Ala Asn Ser Tyr Thr Thr Glu Tyr Ala Ala
      50                      55                      60
Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Ser
      65                      70                      75                      80
Leu Tyr Leu Gln Met Asn Ser Leu Lys Thr Glu Asp Thr Ala Val Tyr
      85                      90                      95
Tyr Cys Ala Arg
      100

```

```

<210> 58
<211> 100
<212> PRT
<213> Homo sapiens
<400> 58

```

```

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1                      5                      10                      15
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asp His
      20                      25                      30
Tyr Met Ser Trp Val Arg Gln Ala Gln Gly Lys Gly Leu Glu Leu Val
      35                      40                      45
Gly Leu Ile Arg Asn Lys Ala Asn Ser Tyr Thr Thr Glu Tyr Ala Ala
      50                      55                      60
Ser Val Lys Gly Arg Leu Thr Ile Ser Arg Glu Asp Ser Lys Asn Thr
      65                      70                      75                      80
Leu Tyr Leu Gln Met Ser Ser Leu Lys Thr Glu Asp Leu Ala Val Tyr
      85                      90                      95
Tyr Cys Ala Arg
      100

```

```

<210> 59
<211> 100

```

Sequence Listing.txt

<212> PRT  
<213> Homo sapiens

<400> 59

Glu	Val	Gln	Leu	Val	Glu	Ser	Gly	Gly	Gly	Leu	Val	Gln	Pro	Gly	Gly		
1				5					10					15			
Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Phe	Thr	Phe	Ser	Asp	His		
			20					25					30				
Tyr	Met	Ser	Trp	Val	Arg	Gln	Ala	Gln	Gly	Lys	Gly	Leu	Glu	Leu	Val		
		35					40					45					
Gly	Leu	Ile	Arg	Asn	Lys	Ala	Asn	Ser	Tyr	Thr	Thr	Glu	Tyr	Ala	Ala		
	50					55					60						
Ser	Val	Lys	Gly	Arg	Leu	Thr	Ile	Ser	Arg	Glu	Asp	Ser	Lys	Asn	Thr		
65					70					75					80		
Leu	Tyr	Leu	Gln	Met	Ser	Ser	Leu	Lys	Thr	Glu	Asp	Leu	Ala	Val	Tyr		
				85					90					95			
Tyr	Cys	Ala	Arg														
			100														

<210> 60  
<211> 98  
<212> PRT  
<213> Homo sapiens  
<400> 60

Glu	Val	Gln	Leu	Val	Glu	Ser	Gly	Gly	Gly	Leu	Val	Gln	Pro	Gly	Arg		
1				5					10					15			
Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Phe	Thr	Phe	Asp	Asp	Tyr		
			20					25					30				
Ala	Met	His	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Val		
		35					40					45					
Ser	Gly	Ile	Ser	Trp	Asn	Ser	Gly	Ser	Ile	Gly	Tyr	Ala	Asp	Ser	Val		
	50					55					60						
Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ala	Lys	Asn	Ser	Leu	Tyr		
65					70					75					80		
Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr	Ala	Leu	Tyr	Tyr	Cys		
				85					90					95			

Sequence Listing.txt

Ala Lys

<210> 61  
 <211> 98  
 <212> PRT  
 <213> Homo sapiens

<400> 61

Glu	Val	Gln	Leu	Val	Glu	Ser	Gly	Gly	Gly	Val	Val	Arg	Pro	Gly	Gly	
1				5					10					15		
Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Phe	Thr	Phe	Asp	Asp	Tyr	
			20					25					30			
Gly	Met	Ser	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Val	
		35					40					45				
Ser	Gly	Ile	Asn	Trp	Asn	Gly	Gly	Ser	Thr	Gly	Tyr	Ala	Asp	Ser	Val	
	50					55					60					
Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ala	Lys	Asn	Ser	Leu	Tyr	
65					70					75					80	
Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys	
				85					90					95		

Ala Arg

<210> 62  
 <211> 98  
 <212> PRT  
 <213> Homo sapiens

<400> 62

Glu	Val	Gln	Leu	Val	Glu	Ser	Gly	Gly	Val	Val	Val	Gln	Pro	Gly	Gly	
1				5					10					15		
Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Phe	Thr	Phe	Asp	Asp	Tyr	
			20					25					30			
Thr	Met	His	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Val	
		35					40					45				
Ser	Leu	Ile	Ser	Trp	Asp	Gly	Gly	Ser	Thr	Tyr	Tyr	Ala	Asp	Ser	Val	

Sequence Listing.txt

50

55

60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Ser Leu Tyr  
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Thr Glu Asp Thr Ala Leu Tyr Tyr Cys  
85 90 95

Ala Lys

<210> 63

<211> 98

<212> PRT

<213> Homo sapiens

<400> 63

Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asp Tyr  
20 25 30

Tyr Met Ser Trp Ile Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg

<210> 64

<211> 100

<212> PRT

<213> Homo sapiens

<400> 64

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly  
1 5 10 15

# Sequence Listing.txt

```

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Ala
      20                      25                      30

Trp Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
      35                      40                      45

Gly Arg Ile Lys Ser Lys Thr Asp Gly Gly Thr Thr Asp Tyr Ala Ala
      50                      55                      60

Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
      65                      70                      75                      80

Leu Tyr Leu Gln Met Asn Ser Leu Lys Thr Glu Asp Thr Ala Val Tyr
      85                      90                      95

Tyr Cys Thr Thr
      100

```

```

<210> 65
<211> 98
<212> PRT
<213> Homo sapiens

```

```

<400> 65

```

```

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1                      5                      10                      15

Ser Leu Arg Leu Ser Cys Pro Ala Ser Gly Phe Thr Phe Ser Asn His
      20                      25                      30

Tyr Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
      35                      40                      45

Ser Tyr Ile Ser Gly Asp Ser Gly Tyr Thr Asn Tyr Ala Asp Ser Val
      50                      55                      60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Asn Asn Ser Pro Tyr
      65                      70                      75                      80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
      85                      90                      95

Val Lys

```

```

<210> 66

```

## Sequence Listing.txt

```
<211> 98
<212> PRT
<213> Homo sapiens
```

<400> 66

[illegible]

```
<210> 67
<211> 98
<212> PRT
<213> Homo sapiens
```

<400> 67

Glu 1	Val	Gln	Leu 5	Val	Glu	Ser	Gly	Gly	Gly 10	Leu	Val	Gln	Pro	Gly 15	Gly
Ser	Leu	Arg	Leu 20	Ser	Cys	Ala	Ala	Ser 25	Gly	Phe	Thr	Phe	Ser 30	Asn	Ser
Asp	Met	Asn 35	Trp	Val	His	Gln	Ala 40	Pro	Gly	Lys	Gly	Leu 45	Glu	Trp	Val
Ser	Gly 50	Val	Ser	Trp	Asn	Gly 55	Ser	Arg	Thr	His	Tyr 60	Ala	Asp	Ser	Val
Lys 65	Gly	Arg	Phe	Ile 70	Ile	Ser	Arg	Asp	Asn	Ser 75	Arg	Asn	Thr	Leu	Tyr 80
Leu	Gln	Thr	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys



Val Arg

<210> 68  
 <211> 97  
 <212> PRT  
 <213> Homo sapiens

<400> 68

Glu	Val	Gln	Leu	Val	Glu	Thr	Gly	Gly	Gly	Leu	Ile	Gln	Pro	Gly	Gly		
1				5					10					15			
Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Phe	Thr	Val	Ser	Ser	Asn		
			20					25					30				
Tyr	Met	Ser	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Val		
		35					40					45					
Ser	Val	Ile	Tyr	Ser	Gly	Gly	Ser	Thr	Tyr	Tyr	Ala	Asp	Ser	Val	Lys		
	50					55					60						
Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ser	Lys	Asn	Thr	Leu	Tyr	Leu		
65					70					75					80		
Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys	Ala		
				85					90					95			

Arg

<210> 69  
 <211> 97  
 <212> PRT  
 <213> Homo sapiens

<400> 69

Glu	Val	Gln	Leu	Val	Glu	Ser	Gly	Gly	Gly	Leu	Val	Gln	Pro	Gly	Gly		
1				5					10					15			
Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Phe	Thr	Val	Ser	Ser	Asn		
			20					25					30				
Tyr	Met	Ser	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Val		
		35					40					45					

Sequence Listing.txt

```

Ser Val Ile Tyr Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val Lys
 50          55          60
Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu
65          70          75          80
Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ala
          85          90          95

```

Arg

```

<210> 70
<211> 97
<212> PRT
<213> Homo sapiens

```

<400> 70

```

Glu Val Gln Leu Val His Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1          5          10          15
Ser Leu Arg Leu Ser Cys Ala Gly Ser Gly Phe Thr Phe Ser Ser Tyr
          20          25          30
Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
          35          40          45
Ser Ala Ile Gly Thr Gly Gly Gly Thr Tyr Tyr Ala Asp Ser Val Lys
          50          55          60
Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr Leu
65          70          75          80
Gln Met Asn Ser Leu Arg Ala Glu Asp Met Ala Val Tyr Tyr Cys Ala
          85          90          95

```

Arg

```

<210> 71
<211> 97
<212> PRT
<213> Homo sapiens

```

<400> 71

Sequence Listing.txt

Glu	Val	Gln	Leu	Val	Gln	Ser	Gly	Gly	Gly	Leu	Val	Gln	Pro	Gly	Gly	1	5	10	15
Ser	Leu	Arg	Leu	Ser	Cys	Ala	Gly	Ser	Gly	Phe	Thr	Phe	Ser	Ser	Tyr	20	25	30	
Ala	Met	His	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Val	35	40	45	
Ser	Ala	Ile	Gly	Thr	Gly	Gly	Gly	Thr	Tyr	Tyr	Ala	Asp	Ser	Val	Lys	50	55	60	
Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ala	Lys	Asn	Ser	Leu	Tyr	Leu	65	70	75	80
Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Met	Ala	Val	Tyr	Tyr	Cys	Ala	85	90	95	

Arg

<210> 72  
 <211> 98  
 <212> PRT  
 <213> Homo sapiens

<400> 72

Glu	Val	Gln	Leu	Val	Glu	Ser	Gly	Gly	Gly	Leu	Val	Gln	Pro	Gly	Gly	1	5	10	15
Ser	Leu	Arg	Leu	Ser	Cys	Ser	Ala	Ser	Gly	Phe	Thr	Phe	Ser	Ser	Tyr	20	25	30	
Ala	Met	His	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu	Glu	Tyr	Val	35	40	45	
Ser	Ala	Ile	Ser	Ser	Asn	Gly	Gly	Ser	Thr	Tyr	Tyr	Ala	Asp	Ser	Val	50	55	60	
Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ser	Lys	Asn	Thr	Leu	Tyr	65	70	75	80
Val	Gln	Met	Ser	Ser	Leu	Arg	Ala	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys	85	90	95	

Val Arg

# Sequence Listing.txt

<210> 73  
 <211> 35  
 <212> PRT  
 <213> Homo sapiens

<400> 73

Thr Phe Ser Ser Tyr Ala Met His Trp Val Arg Gln Ala Pro Gly Lys  
 1 5 10 15

Gly Leu Glu Tyr Val Ser Ala Ile Ser Ser Asn Gly Gly Ser Thr Tyr  
 20 25 30

Tyr Ala Asp  
 35

<210> 74  
 <211> 98  
 <212> PRT  
 <213> Homo sapiens

<400> 74

Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
 20 25 30

Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45

Ala Val Ile Ser Tyr Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg

<210> 75  
 <211> 98  
 <212> PRT

# Sequence Listing.txt

<213> Homo sapiens

<400> 75

Gln	Val	Gln	Leu	Val	Glu	Ser	Gly	Gly	Gly	Val	Val	Gln	Pro	Gly	Arg
1				5					10					15	
Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Phe	Thr	Phe	Ser	Ser	Tyr
			20					25					30		
Ala	Met	His	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Val
		35					40					45			
Ala	Val	Ile	Ser	Tyr	Asp	Gly	Ser	Asn	Lys	Tyr	Tyr	Ala	Asp	Ser	Val
	50					55					60				
Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ser	Lys	Asn	Thr	Leu	Tyr
65					70					75					80
Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys
				85					90					95	
Ala	Arg														

<210> 76

<211> 98

<212> PRT

<213> Homo sapiens

<400> 76

Gln	Val	Gln	Leu	Val	Glu	Ser	Gly	Gly	Gly	Val	Val	Gln	Pro	Gly	Arg
1				5					10					15	
Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Phe	Thr	Phe	Ser	Ser	Tyr
			20					25					30		
Ala	Met	His	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Val
		35					40					45			
Ala	Val	Ile	Ser	Tyr	Asp	Gly	Ser	Asn	Lys	Tyr	Tyr	Ala	Asp	Ser	Val
	50					55					60				
Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ser	Lys	Asn	Thr	Leu	Tyr
65					70					75					80
Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys
				85					90					95	

```
<210> 77
<211> 98
<212> PRT
<213> Homo sapiens

<400> 77
```

Ala Lys

```
<210> 78
<211> 97
<212> PRT
<213> Homo sapiens

<400> 78
```

Page 38

Sequence Listing.txt

50

55

60

Gly Arg Phe Thr Ile Ser Arg Glu Asn Ala Lys Asn Ser Leu Tyr Leu  
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Gly Asp Thr Ala Val Tyr Tyr Cys Ala  
85 90 95

Arg

<210> 79

<211> 98

<212> PRT

<213> Homo sapiens

<400> 79

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg

<210> 80

<211> 98

<212> PRT

<213> Homo sapiens

<400> 80

Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg  
1 5 10 15

Sequence Listing.txt

```

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
      20                      25                      30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
      35                      40                      45

Ala Val Ile Ser Tyr Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val
      50                      55                      60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
      65                      70                      75                      80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
      85                      90                      95

Ala Lys

```

```

<210> 81
<211> 98
<212> PRT
<213> Homo sapiens

```

<400> 81

```

Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1                      5                      10                      15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
      20                      25                      30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
      35                      40                      45

Ala Val Ile Trp Tyr Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val
      50                      55                      60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
      65                      70                      75                      80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
      85                      90                      95

```

Ala Arg

<210> 82



# Sequence Listing.txt

<211> 98  
 <212> PRT  
 <213> Homo sapiens

<400> 82

Glu	Val	Gln	Leu	Val	Glu	Ser	Gly	Gly	Gly	Leu	Val	Gln	Pro	Gly	Gly		
1				5					10					15			
Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Phe	Thr	Phe	Ser	Ser	Tyr		
			20					25					30				
Ser	Met	Asn	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Val		
		35					40					45					
Ser	Tyr	Ile	Ser	Ser	Ser	Ser	Ser	Thr	Ile	Tyr	Tyr	Ala	Asp	Ser	Val		
	50					55					60						
Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ala	Lys	Asn	Ser	Leu	Tyr		
65					70					75					80		
Leu	Gln	Met	Asn	Ser	Leu	Arg	Asp	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys		
				85					90					95			

Ala Arg

<210> 83  
 <211> 97  
 <212> PRT  
 <213> Homo sapiens

<400> 83

Glu	Asp	Gln	Leu	Val	Glu	Ser	Gly	Gly	Gly	Leu	Val	Gln	Pro	Gly	Gly		
1				5					10					15			
Ser	Leu	Arg	Pro	Ser	Cys	Ala	Ala	Ser	Gly	Phe	Ala	Phe	Ser	Ser	Tyr		
			20					25					30				
Val	Leu	His	Trp	Val	Arg	Arg	Ala	Pro	Gly	Lys	Gly	Pro	Glu	Trp	Val		
		35					40					45					
Ser	Ala	Ile	Gly	Thr	Gly	Gly	Asp	Thr	Tyr	Tyr	Ala	Asp	Ser	Val	Met		
	50					55					60						
Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ala	Lys	Lys	Ser	Leu	Tyr	Leu		
65					70					75					80		
Gln	Met	Asn	Ser	Leu	Ile	Ala	Glu	Asp	Met	Ala	Val	Tyr	Tyr	Cys	Ala		

## Sequence Listing.txt

85

90

95

Arg

<210> 84  
 <211> 98  
 <212> PRT  
 <213> Homo sapiens

<400> 84

Glu	Val	Gln	Leu	Val	Glu	Ser	Gly	Gly	Gly	Leu	Val	Gln	Pro	Gly	Gly
1				5					10					15	
Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Phe	Thr	Phe	Ser	Ser	Tyr
			20					25					30		
Trp	Met	His	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu	Val	Trp	Val
		35					40					45			
Ser	Arg	Ile	Asn	Ser	Asp	Gly	Ser	Ser	Thr	Thr	Tyr	Ala	Asp	Ser	Val
	50					55					60				
Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ala	Lys	Asn	Thr	Leu	Tyr
65					70					75				80	
Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys
				85					90					95	

Ala Arg

<210> 85  
 <211> 98  
 <212> PRT  
 <213> Homo sapiens

<400> 85

Glu	Val	Gln	Leu	Val	Glu	Ser	Gly	Gly	Gly	Leu	Val	Gln	Pro	Gly	Gly
1				5					10					15	
Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Phe	Thr	Phe	Ser	Ser	Tyr
			20					25					30		
Trp	Met	Ser	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Val
		35					40					45			

# Sequence Listing.txt

Ala	Asn	Ile	Lys	Gln	Asp	Gly	Ser	Glu	Lys	Tyr	Tyr	Val	Asp	Ser	Val
50						55					60				
Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ala	Lys	Asn	Ser	Leu	Tyr
65					70					75					80
Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys
				85					90					95	

Ala Arg

<210> 86  
 <211> 97  
 <212> PRT  
 <213> Homo sapiens

<400> 86

Gln	Val	Gln	Leu	Gln	Gln	Trp	Gly	Ala	Gly	Leu	Leu	Lys	Pro	Ser	Glu
1				5					10					15	
Thr	Leu	Ser	Leu	Thr	Cys	Ala	Val	Tyr	Gly	Gly	Ser	Phe	Ser	Gly	Tyr
			20					25					30		
Tyr	Trp	Ser	Trp	Ile	Arg	Gln	Pro	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Ile
		35					40					45			
Gly	Glu	Ile	Ile	His	Ser	Gly	Ser	Thr	Asn	Tyr	Asn	Pro	Ser	Leu	Lys
	50					55					60				
Ser	Arg	Val	Thr	Ile	Ser	Val	Asp	Thr	Ser	Lys	Asn	Gln	Phe	Ser	Leu
65					70					75					80
Lys	Leu	Ser	Ser	Val	Thr	Ala	Ala	Asp	Thr	Ala	Val	Tyr	Tyr	Cys	Ala
				85					90					95	

Arg

<210> 87  
 <211> 97  
 <212> PRT  
 <213> Homo sapiens

<400> 87

Sequence Listing.txt

Gln	Val	Gln	Leu	Gln	Gln	Trp	Gly	Ala	Gly	Leu	Leu	Lys	Pro	Ser	Glu
1				5					10					15	
Thr	Leu	Ser	Leu	Thr	Cys	Ala	Val	Tyr	Gly	Gly	Ser	Phe	Ser	Gly	Tyr
			20					25					30		
Tyr	Trp	Ser	Trp	Ile	Arg	Gln	Pro	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Ile
		35					40					45			
Gly	Glu	Ile	Asn	His	Ser	Gly	Ser	Thr	Asn	Tyr	Asn	Pro	Ser	Leu	Lys
	50					55					60				
Ser	Arg	Val	Thr	Ile	Ser	Val	Asp	Thr	Ser	Lys	Asn	Gln	Phe	Ser	Leu
65					70					75					80
Lys	Leu	Ser	Ser	Val	Thr	Ala	Ala	Asp	Thr	Ala	Val	Tyr	Tyr	Cys	Ala
				85					90					95	

Arg

<210> 88  
 <211> 97  
 <212> PRT  
 <213> Homo sapiens

<400> 88

Gln	Val	Gln	Leu	Gln	Gln	Trp	Gly	Ala	Gly	Leu	Leu	Lys	Pro	Ser	Glu
1				5					10					15	
Thr	Leu	Ser	Leu	Thr	Cys	Ala	Val	Tyr	Gly	Gly	Ser	Val	Ser	Gly	Tyr
			20					25					30		
Tyr	Trp	Ser	Trp	Ile	Arg	Gln	Pro	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Ile
		35					40					45			
Gly	Tyr	Ile	Tyr	Tyr	Ser	Gly	Ser	Thr	Asn	Asn	Asn	Pro	Ser	Leu	Lys
	50					55					60				
Ser	Arg	Ala	Thr	Ile	Ser	Val	Asp	Thr	Ser	Lys	Asn	Gln	Phe	Ser	Leu
65					70					75					80
Asn	Leu	Ser	Ser	Val	Thr	Ala	Ala	Asp	Thr	Ala	Val	Tyr	Cys	Cys	Ala
				85					90					95	

Arg

# Sequence Listing.txt

<210> 89  
 <211> 99  
 <212> PRT  
 <213> Homo sapiens

<400> 89

Gln	Leu	Gln	Leu	Gln	Glu	Ser	Gly	Ser	Gly	Leu	Val	Lys	Pro	Ser	Gln
1				5					10					15	
Thr	Leu	Ser	Leu	Thr	Cys	Ala	Val	Ser	Gly	Gly	Ser	Ile	Ser	Ser	Gly
			20					25					30		
Gly	Tyr	Ser	Trp	Ser	Trp	Ile	Arg	Gln	Pro	Pro	Gly	Lys	Gly	Leu	Glu
		35					40					45			
Trp	Ile	Gly	Tyr	Ile	Tyr	His	Ser	Gly	Ser	Thr	Tyr	Tyr	Asn	Pro	Ser
	50					55					60				
Leu	Lys	Ser	Arg	Val	Thr	Ile	Ser	Val	Asp	Arg	Ser	Lys	Asn	Gln	Phe
65					70				75						80
Ser	Leu	Lys	Leu	Ser	Ser	Val	Thr	Ala	Ala	Asp	Thr	Ala	Val	Tyr	Tyr
				85					90					95	

Cys Ala Arg

<210> 90  
 <211> 99  
 <212> PRT  
 <213> Homo sapiens

<400> 90

Gln	Val	Gln	Leu	Gln	Glu	Ser	Gly	Pro	Gly	Leu	Val	Lys	Pro	Ser	Gln
1				5					10					15	
Thr	Leu	Ser	Leu	Thr	Cys	Thr	Val	Ser	Gly	Gly	Ser	Ile	Ser	Ser	Gly
			20					25					30		
Gly	Tyr	Tyr	Trp	Ser	Trp	Ile	Arg	Gln	His	Pro	Gly	Lys	Gly	Leu	Glu
		35					40					45			
Trp	Ile	Gly	Tyr	Ile	Tyr	Tyr	Ser	Gly	Ser	Thr	Tyr	Tyr	Asn	Pro	Ser
	50					55					60				
Leu	Lys	Ser	Arg	Val	Thr	Ile	Ser	Val	Asp	Thr	Ser	Lys	Asn	Gln	Phe
65					70				75						80

# Sequence Listing.txt

Ser Leu Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr  
85 90 95

Cys Ala Arg

<210> 91  
<211> 99  
<212> PRT  
<213> Homo sapiens

<400> 91

Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Glu  
1 5 10 15

Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Gly Ser Val Ser Ser Gly  
20 25 30

Ser Tyr Tyr Trp Ser Trp Ile Arg Gln Pro Pro Gly Lys Gly Leu Glu  
35 40 45

Trp Ile Gly Tyr Ile Tyr Tyr Ser Gly Ser Thr Asn Tyr Asn Pro Ser  
50 55 60

Leu Lys Ser Arg Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe  
65 70 75 80

Ser Leu Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr  
85 90 95

Cys Ala Arg

<210> 92  
<211> 98  
<212> PRT  
<213> Homo sapiens

<400> 92

Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Glu  
1 5 10 15

Thr Leu Ser Leu Thr Cys Ala Val Ser Gly Tyr Ser Ile Ser Ser Gly  
20 25 30

Sequence Listing.txt

Tyr	Tyr	Trp	Gly	Trp	Ile	Arg	Gln	Pro	Pro	Gly	Lys	Gly	Leu	Glu	Trp
		35					40					45			
Ile	Gly	Ser	Ile	Tyr	His	Ser	Gly	Ser	Thr	Tyr	Tyr	Asn	Pro	Ser	Leu
	50					55					60				
Lys	Ser	Arg	Val	Thr	Ile	Ser	Val	Asp	Thr	Ser	Lys	Asn	Gln	Phe	Ser
65					70					75					80
Leu	Lys	Leu	Ser	Ser	Val	Thr	Ala	Ala	Asp	Thr	Ala	Val	Tyr	Tyr	Cys
				85					90					95	

Ala Arg

<210> 93  
 <211> 98  
 <212> PRT  
 <213> Homo sapiens

<400> 93

Gln	Val	Gln	Leu	Gln	Glu	Ser	Gly	Pro	Gly	Leu	Val	Lys	Pro	Ser	Glu
1				5					10					15	
Thr	Leu	Ser	Leu	Thr	Cys	Thr	Val	Ser	Gly	Tyr	Ser	Ile	Ser	Ser	Gly
			20					25					30		
Tyr	Tyr	Trp	Gly	Trp	Ile	Arg	Gln	Pro	Pro	Gly	Lys	Gly	Leu	Glu	Trp
		35					40					45			
Ile	Gly	Ser	Ile	Tyr	His	Ser	Gly	Ser	Thr	Tyr	Tyr	Asn	Pro	Ser	Leu
	50					55					60				
Lys	Ser	Arg	Val	Thr	Ile	Ser	Val	Asp	Thr	Ser	Lys	Asn	Gln	Phe	Ser
65					70					75					80
Leu	Lys	Leu	Ser	Ser	Val	Thr	Ala	Ala	Asp	Thr	Ala	Val	Tyr	Tyr	Cys
				85					90					95	

Ala Arg

<210> 94  
 <211> 98  
 <212> PRT  
 <213> Homo sapiens

Sequence Listing.txt

<400> 94

Gln	Val	Gln	Leu	Gln	Glu	Ser	Gly	Pro	Gly	Leu	Val	Lys	Pro	Ser	Asp
1				5					10					15	
Thr	Leu	Ser	Leu	Thr	Cys	Ala	Val	Ser	Gly	Tyr	Ser	Ile	Ser	Ser	Ser
			20					25					30		
Asn	Trp	Trp	Gly	Trp	Ile	Arg	Gln	Pro	Pro	Gly	Lys	Gly	Leu	Glu	Trp
		35					40					45			
Ile	Gly	Tyr	Ile	Tyr	Tyr	Ser	Gly	Ser	Thr	Tyr	Tyr	Asn	Pro	Ser	Leu
	50					55					60				
Lys	Ser	Arg	Val	Thr	Met	Ser	Val	Asp	Thr	Ser	Lys	Asn	Gln	Phe	Ser
65					70					75					80
Leu	Lys	Leu	Ser	Ser	Val	Thr	Ala	Val	Asp	Thr	Ala	Val	Tyr	Tyr	Cys
				85					90					95	

Ala Arg

<210> 95

<211> 98

<212> PRT

<213> Homo sapiens

<400> 95

Gln	Val	Gln	Leu	Gln	Glu	Ser	Gly	Pro	Gly	Leu	Val	Lys	Pro	Ser	Gln
1				5					10					15	
Thr	Leu	Ser	Leu	Thr	Cys	Ala	Val	Ser	Gly	Tyr	Ser	Ile	Ser	Ser	Ser
			20					25					30		
Asn	Trp	Trp	Gly	Trp	Ile	Arg	Gln	Pro	Pro	Gly	Lys	Gly	Leu	Glu	Trp
		35					40					45			
Ile	Gly	Tyr	Ile	Tyr	Tyr	Ser	Gly	Ser	Ile	Tyr	Tyr	Asn	Pro	Ser	Leu
	50					55					60				
Lys	Ser	Arg	Val	Thr	Met	Ser	Val	Asp	Thr	Ser	Lys	Asn	Gln	Phe	Ser
65					70					75					80
Leu	Lys	Leu	Ser	Ser	Val	Thr	Ala	Val	Asp	Thr	Ala	Val	Tyr	Tyr	Cys
				85					90					95	

Ala Arg



# Sequence Listing.txt

<210> 96  
 <211> 98  
 <212> PRT  
 <213> Homo sapiens

<400> 96

Gln	Val	Gln	Leu	Gln	Glu	Ser	Gly	Pro	Gly	Leu	Val	Lys	Pro	Ser	Glu
1				5					10					15	
Thr	Leu	Ser	Leu	Thr	Cys	Val	Val	Ser	Gly	Gly	Ser	Ile	Ser	Ser	Ser
			20					25					30		
Asn	Trp	Trp	Ser	Trp	Val	Arg	Gln	Pro	Pro	Gly	Lys	Gly	Leu	Glu	Trp
		35					40					45			
Ile	Gly	Glu	Ile	Tyr	His	Ser	Gly	Asn	Pro	Asn	Tyr	Asn	Pro	Ser	Leu
	50					55					60				
Lys	Ser	Arg	Val	Thr	Ile	Ser	Ile	Asp	Lys	Ser	Lys	Asn	Gln	Phe	Ser
65					70					75					80
Leu	Lys	Leu	Ser	Ser	Val	Thr	Ala	Ala	Asp	Thr	Ala	Val	Tyr	Tyr	Cys
				85					90					95	

Ala Arg

<210> 97  
 <211> 98  
 <212> PRT  
 <213> Homo sapiens

<400> 97

Gln	Val	Gln	Leu	Gln	Glu	Ser	Gly	Pro	Gly	Leu	Val	Lys	Pro	Ser	Glu
1				5					10					15	
Thr	Leu	Ser	Leu	Thr	Cys	Val	Val	Ser	Gly	Gly	Ser	Ile	Ser	Ser	Ser
			20					25					30		
Asn	Trp	Trp	Ser	Trp	Val	Arg	Gln	Pro	Pro	Gly	Lys	Gly	Leu	Glu	Trp
		35					40					45			
Ile	Gly	Glu	Ile	Tyr	His	Ser	Gly	Ser	Pro	Asn	Tyr	Asn	Pro	Ser	Leu
	50					55					60				

Sequence Listing.txt

Lys Ser Arg Val Thr Ile Ser Val Asp Lys Ser Lys Asn Gln Phe Ser  
65 70 75 80

Leu Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg

<210> 98  
<211> 98  
<212> PRT  
<213> Homo sapiens

<400> 98

Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Pro Gly  
1 5 10 15

Thr Leu Ser Leu Thr Cys Ala Val Ser Gly Gly Ser Ile Ser Ser Ser  
20 25 30

Asn Trp Trp Ser Trp Val Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp  
35 40 45

Ile Gly Glu Ile Tyr His Ser Gly Ser Thr Asn Tyr Asn Pro Ser Leu  
50 55 60

Lys Ser Arg Val Thr Ile Ser Val Asp Lys Ser Lys Asn Gln Phe Ser  
65 70 75 80

Leu Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Cys Cys  
85 90 95

Ala Arg

<210> 99  
<211> 98  
<212> PRT  
<213> Homo sapiens

<400> 99

Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gly  
1 5 10 15

Thr Leu Ser Leu Thr Cys Ala Val Ser Gly Gly Ser Ile Ser Ser Ser

## Sequence Listing.txt

20

25

30

Asn Trp Trp Ser Trp Val Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp  
           35                          40                          45  
 Ile Gly Glu Ile Tyr His Ser Gly Ser Thr Asn Tyr Asn Pro Ser Leu  
           50                          55                          60  
 Lys Ser Arg Val Thr Ile Ser Val Asp Lys Ser Lys Asn Gln Phe Ser  
   65                          70                          75                          80  
 Leu Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys  
                           85                          90                          95  
 Ala Arg

<210> 100  
 <211> 99  
 <212> PRT  
 <213> Homo sapiens

<400> 100

Gln Leu Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Glu  
   1                          5                          10                          15  
 Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Gly Ser Ile Ser Ser Ser  
                           20                          25                          30  
 Ser Tyr Tyr Trp Gly Trp Ile Arg Gln Pro Pro Gly Lys Gly Leu Glu  
           35                          40                          45  
 Trp Ile Gly Ser Ile Tyr Tyr Ser Gly Ser Thr Tyr Tyr Asn Pro Ser  
   50                          55                          60  
 Leu Lys Ser Arg Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe  
   65                          70                          75                          80  
 Ser Leu Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr  
                           85                          90                          95  
 Cys Ala Arg

<210> 101  
 <211> 99  
 <212> PRT

Sequence Listing.txt

<213> Homo sapiens

<400> 101

Gln	Leu	Gln	Leu	Gln	Glu	Ser	Gly	Pro	Gly	Leu	Val	Lys	Pro	Ser	Glu
1				5					10					15	
Thr	Leu	Ser	Leu	Thr	Cys	Thr	Val	Ser	Gly	Gly	Ser	Ile	Ser	Ser	Ser
			20					25					30		
Ser	Tyr	Tyr	Trp	Gly	Trp	Ile	Arg	Gln	Pro	Pro	Gly	Lys	Gly	Leu	Glu
		35					40					45			
Trp	Ile	Gly	Ser	Ile	Tyr	Tyr	Ser	Gly	Ser	Thr	Tyr	Tyr	Asn	Pro	Ser
	50					55					60				
Leu	Lys	Ser	Arg	Val	Thr	Ile	Ser	Val	Asp	Thr	Ser	Lys	Asn	His	Phe
65					70					75					80
Ser	Leu	Lys	Leu	Ser	Ser	Val	Thr	Ala	Ala	Asp	Thr	Ala	Val	Tyr	Tyr
				85					90					95	

Cys Ala Arg

<210> 102

<211> 97

<212> PRT

<213> Homo sapiens

<400> 102

Gln	Val	Gln	Leu	Gln	Glu	Ser	Gly	Pro	Gly	Leu	Val	Lys	Pro	Ser	Glu
1				5					10					15	
Thr	Leu	Ser	Leu	Thr	Cys	Thr	Val	Ser	Gly	Gly	Ser	Ile	Ser	Ser	Tyr
			20					25					30		
Tyr	Trp	Ser	Trp	Ile	Arg	Gln	Pro	Ala	Gly	Lys	Gly	Leu	Glu	Trp	Ile
		35					40					45			
Gly	Arg	Ile	Tyr	Thr	Ser	Gly	Ser	Thr	Asn	Tyr	Asn	Pro	Ser	Leu	Lys
	50					55				60					
Ser	Arg	Val	Thr	Asn	Ser	Val	Asp	Thr	Ser	Lys	Asn	Gln	Phe	Ser	Leu
65				70						75					80
Lys	Leu	Ser	Ser	Val	Thr	Ala	Ala	Asp	Thr	Ala	Val	Tyr	Tyr	Cys	Ala
				85				90						95	

Arg

# Sequence Listing.txt

<210> 103  
 <211> 97  
 <212> PRT  
 <213> Homo sapiens

<400> 103

Gln	Val	Gln	Leu	Gln	Glu	Ser	Gly	Pro	Gly	Leu	Val	Lys	Pro	Ser	Glu
1				5					10					15	
Thr	Leu	Ser	Leu	Thr	Cys	Thr	Val	Ser	Gly	Gly	Ser	Ile	Ser	Ser	Tyr
			20					25					30		
Tyr	Trp	Ser	Trp	Ile	Arg	Gln	Pro	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Ile
		35					40					45			
Gly	Tyr	Ile	Tyr	Tyr	Ser	Gly	Ser	Thr	Asn	Tyr	Asn	Pro	Ser	Leu	Lys
	50					55					60				
Ser	Arg	Val	Thr	Ile	Ser	Val	Asp	Thr	Ser	Lys	Asn	Gln	Phe	Ser	Leu
65					70					75					80
Lys	Leu	Ser	Ser	Val	Thr	Ala	Ala	Asp	Thr	Ala	Val	Tyr	Tyr	Cys	Ala
				85					90					95	

Arg

<210> 104  
 <211> 97  
 <212> PRT  
 <213> Homo sapiens

<400> 104

Gln	Val	Gln	Leu	Gln	Glu	Ser	Gly	Pro	Gly	Leu	Val	Lys	Pro	Ser	Glu
1				5					10					15	
Thr	Leu	Ser	Leu	Thr	Cys	Thr	Val	Ser	Gly	Gly	Ser	Val	Ser	Ser	Tyr
			20					25					30		
Tyr	Trp	Ser	Trp	Ile	Arg	Gln	Pro	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Ile
		35					40					45			
Gly	Tyr	Ile	Tyr	Tyr	Ser	Gly	Ser	Thr	Asn	Tyr	Asn	Pro	Ser	Leu	Lys
	50					55					60				
Ser	Arg	Val	Thr	Ile	Ser	Val	Asp	Thr	Ser	Lys	Met	Gln	Phe	Ser	Leu
65					70					75					80
Lys	Leu	Ser	Ser	Val	Thr	Ala	Ala	Asp	Thr	Ala	Val	Tyr	Tyr	Cys	Ala

## Sequence Listing.txt

85

90

95

Arg

<210> 105  
 <211> 97  
 <212> PRT  
 <213> Homo sapiens

<400> 105

Gln	Val	Gln	Leu	Gln	Glu	Ser	Gly	Pro	Gly	Leu	Val	Lys	Pro	Ser	Asp
1				5					10					15	
Thr	Leu	Ser	Leu	Thr	Cys	Thr	Val	Ser	Gly	Gly	Ser	Ile	Ser	Ser	Tyr
			20					25					30		
Tyr	Trp	Ser	Trp	Ile	Arg	Gln	Pro	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Ile
		35					40					45			
Gly	Tyr	Ile	Tyr	Tyr	Ser	Gly	Ser	Thr	Asn	Tyr	Asn	Pro	Ser	Leu	Lys
	50					55					60				
Ser	Arg	Val	Thr	Ile	Ser	Val	Asp	Thr	Ser	Lys	Asn	Gln	Phe	Ser	Leu
65					70					75					80
Lys	Leu	Ser	Ser	Val	Thr	Ala	Ala	Asp	Thr	Ala	Val	Tyr	Tyr	Cys	Ala
				85					90					95	

Arg

<210> 106  
 <211> 98  
 <212> PRT  
 <213> Homo sapiens

<400> 106

Glu	Val	Gln	Leu	Val	Gln	Ser	Gly	Ala	Glu	Val	Lys	Lys	Pro	Gly	Glu
1				5					10					15	
Ser	Leu	Lys	Ile	Ser	Cys	Lys	Gly	Ser	Gly	Tyr	Ser	Phe	Thr	Ser	Tyr
			20					25					30		
Trp	Ile	Gly	Trp	Val	Arg	Gln	Met	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Met
		35					40					45			
Gly	Ile	Ile	Tyr	Pro	Gly	Asp	Ser	Asp	Thr	Arg	Tyr	Ser	Pro	Ser	Phe
	50					55					60				

Sequence Listing.txt

Gln Gly Gln Val Thr Ile Ser Ala Asp Lys Ser Ile Ser Thr Ala Tyr  
65 70 75 80

Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Thr Ala Met Tyr Tyr Cys  
85 90 95

Ala Arg

<210> 107  
<211> 98  
<212> PRT  
<213> Homo sapiens

<400> 107

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Glu  
1 5 10 15

Ser Leu Lys Ile Ser Cys Lys Gly Ser Gly Tyr Ser Phe Thr Ser Tyr  
20 25 30

Trp Ile Gly Trp Val Arg Gln Met Pro Gly Lys Gly Leu Glu Trp Met  
35 40 45

Gly Ile Ile Tyr Pro Gly Asp Ser Asp Thr Arg Tyr Ser Pro Ser Phe  
50 55 60

Gln Gly Gln Val Thr Ile Ser Ala Asp Lys Pro Ile Ser Thr Ala Tyr  
65 70 75 80

Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Thr Ala Met Tyr Tyr Cys  
85 90 95

Ala Arg

<210> 108  
<211> 98  
<212> PRT  
<213> Homo sapiens

<400> 108

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Glu  
1 5 10 15

Ser Leu Lys Ile Ser Cys Lys Gly Ser Gly Tyr Ser Phe Thr Ser Tyr  
20 25 30

Trp Ile Gly Trp Val Arg Gln Met Pro Gly Lys Gly Leu Glu Trp Met  
35 40 45

Sequence Listing.txt

Gly Ile Ile Tyr Pro Gly Asp Ser Asp Thr Arg Tyr Ser Pro Ser Phe  
50 55 60  
Gln Gly Gln Val Thr Ile Ser Ala Asp Lys Ser Ile Ser Thr Ala Tyr  
65 70 75 80  
Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Thr Ala Met Tyr Tyr Cys  
85 90 95

Ala Arg

<210> 109  
<211> 98  
<212> PRT  
<213> Homo sapiens

<400> 109

Glu Val Gln Leu Leu Gln Ser Ala Ala Glu Val Lys Arg Pro Gly Glu  
1 5 10 15  
Ser Leu Arg Ile Ser Cys Lys Thr Ser Gly Tyr Ser Phe Thr Ser Tyr  
20 25 30  
Trp Ile His Trp Val Arg Gln Met Pro Gly Lys Glu Leu Glu Trp Met  
35 40 45  
Gly Ser Ile Tyr Pro Gly Asn Ser Asp Thr Arg Tyr Ser Pro Ser Phe  
50 55 60  
Gln Gly His Val Thr Ile Ser Ala Asp Ser Ser Ser Ser Thr Ala Tyr  
65 70 75 80  
Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Ala Ala Met Tyr Tyr Cys  
85 90 95

Val Arg

<210> 110  
<211> 98  
<212> PRT  
<213> Homo sapiens

<400> 110

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Glu  
1 5 10 15  
Ser Leu Arg Ile Ser Cys Lys Gly Ser Gly Tyr Ser Phe Thr Ser Tyr



## Sequence Listing.txt

20

25

30

Trp Ile Ser Trp Val Arg Gln Met Pro Gly Lys Gly Leu Glu Trp Met  
           35                          40                          45

Gly Arg Ile Asp Pro Ser Asp Ser Tyr Thr Asn Tyr Ser Pro Ser Phe  
           50                          55                          60

Gln Gly His Val Thr Ile Ser Ala Asp Lys Ser Ile Ser Thr Ala Tyr  
   65                          70                          75                          80

Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Thr Ala Met Tyr Tyr Cys  
                           85                          90                          95

Ala Arg

<210> 111

<211> 98

<212> PRT

<213> Homo sapiens

<400> 111

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Glu  
   1                          5                          10                          15

Ser Leu Arg Ile Ser Cys Lys Gly Ser Gly Tyr Ser Phe Thr Ser Tyr  
                           20                          25                          30

Trp Ile Ser Trp Val Arg Gln Met Pro Gly Lys Gly Leu Glu Trp Met  
           35                          40                          45

Gly Arg Ile Asp Pro Ser Asp Ser Tyr Thr Asn Tyr Ser Pro Ser Phe  
           50                          55                          60

Gln Gly His Val Thr Ile Ser Ala Asp Lys Ser Ile Ser Thr Ala Tyr  
   65                          70                          75                          80

Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Thr Ala Met Tyr Tyr Cys  
                           85                          90                          95

Ala Arg

<210> 112

<211> 101

<212> PRT

<213> Homo sapiens

<400> 112

Sequence Listing.txt

Gln	Val	Gln	Leu	Gln	Gln	Ser	Gly	Pro	Gly	Leu	Val	Lys	Pro	Ser	Gln
1				5					10					15	
Thr	Leu	Ser	Leu	Thr	Cys	Ala	Ile	Ser	Gly	Asp	Ser	Val	Ser	Ser	Asn
			20					25					30		
Ser	Ala	Ala	Trp	Asn	Trp	Ile	Arg	Gln	Ser	Pro	Ser	Arg	Gly	Leu	Glu
		35					40					45			
Trp	Leu	Gly	Arg	Thr	Tyr	Tyr	Arg	Ser	Lys	Trp	Tyr	Asn	Asp	Tyr	Ala
	50					55					60				
Val	Ser	Val	Lys	Ser	Arg	Ile	Thr	Ile	Asn	Pro	Asp	Thr	Ser	Lys	Asn
65					70					75					80
Gln	Phe	Ser	Leu	Gln	Leu	Asn	Ser	Val	Thr	Pro	Glu	Asp	Thr	Ala	Val
				85					90					95	
Tyr	Tyr	Cys	Ala	Arg											
			100												

<210> 113  
 <211> 87  
 <212> PRT  
 <213> Homo sapiens

<400> 113

Arg	Lys	Leu	Gly	Ala	Ser	Val	Lys	Val	Ser	Arg	Lys	Ala	Ser	Ser	Tyr
1				5					10					15	
Thr	Phe	Thr	Ser	Tyr	Asp	Ile	His	Cys	Val	Arg	Gln	Ala	Pro	Gly	Lys
			20					25					30		
Gly	Leu	Lys	Gly	Trp	Met	Gly	Gly	Ile	Tyr	Ser	Gly	Asn	Gly	Lys	Thr
		35					40					45			
Gly	Tyr	Ala	Gln	Lys	Phe	Gln	Arg	Val	Thr	Met	Thr	Arg	Asp	Met	Ser
	50					55					60				
Thr	Ser	Thr	Ala	Tyr	Met	Glu	Leu	Ser	Ser	Gln	Arg	Ser	Glu	Asp	Ile
65					70					75					80
Asp	Val	Tyr	Tyr	Cys	Ala	Arg									
				85											

<210> 114  
 <211> 5  
 <212> PRT  
 <213> Homo sapiens

<400> 114

# Sequence Listing.txt

Asp Tyr Gly Met Ser  
1 5

<210> 115  
<211> 17  
<212> PRT  
<213> Homo sapiens

<400> 115

Gly Ile Asn Trp Asn Gly Gly Ser Thr Gly Tyr Ala Asp Ser Val Lys  
1 5 10 15

Gly

<210> 116  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 116

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Arg  
1 5 10

<210> 117  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 117

Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg  
1 5 10

<210> 118  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 118

Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn  
1 5 10

<210> 119  
<211> 8  
<212> PRT  
<213> Homo sapiens

Sequence Listing.txt

<400> 119

Gly Lys Gly Leu Glu Trp Val Ser  
1 5

<210> 120

<211> 6

<212> PRT

<213> Homo sapiens

<400> 120

Trp Val Arg Gln Ala Pro  
1 5

<210> 121

<211> 11

<212> PRT

<213> Homo sapiens

<400> 121

Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp  
1 5 10

<210> 122

<211> 7

<212> PRT

<213> Homo sapiens

<400> 122

Ala Val Tyr Tyr Cys Ala Arg  
1 5

<210> 123

<211> 20

<212> PRT

<213> Homo sapiens

<400> 123

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly  
1 5 10 15

Gly Gly Gly Ser  
20

<210> 124

<211> 15

<212> PRT

<213> Homo sapiens

# Sequence Listing.txt

<400> 124

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser  
1 5 10 15

<210> 125

<211> 9

<212> PRT

<213> Homo sapiens

<400> 125

Asn Ser Arg Asp Ser Ser Gly Asn His  
1 5

<210> 126

<211> 8

<212> PRT

<213> Homo sapiens

<400> 126

Ala Ala Trp Asp Asp Ser Leu Val  
1 5

<210> 127

<211> 8

<212> PRT

<213> Homo sapiens

<400> 127

Met Gln Ser Ile Gln Leu Pro Thr  
1 5

<210> 128

<211> 9

<212> PRT

<213> Homo sapiens

<400> 128

Met Gln Ser Ile Gln Leu Pro Ala Thr  
1 5

<210> 129

<211> 10

<212> PRT

<213> Homo sapiens

<400> 129

Sequence Listing.txt

Ala Ala Trp Asp Asp Gly Leu Ser Leu Val  
1 5 10

<210> 130  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 130

Ala Ala Trp Asp Asp Ser Leu Ser Gly Val  
1 5 10

<210> 131  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 131

Asn Ser Arg Asp Ser Ser Gly Ser Val Arg Val  
1 5 10

<210> 132  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 132

Leu Leu Tyr Tyr Gly Gly Ala Tyr Val  
1 5

<210> 133  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 133

Asn Ser Arg Asp Ser Ser Gly Val Ser Arg Val  
1 5 10

<210> 134  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 134

Ala Ala Trp Asp Asp Ser Leu Pro Tyr Val

## Sequence Listing.txt

```
1          5          10

<210>  135
<211>  12
<212>  PRT
<213>  Homo sapiens

<400>  135

Ala Ala Trp Asp Asp Ser Leu Cys Pro Glu Phe Val
1          5          10

<210>  136
<211>  11
<212>  PRT
<213>  Homo sapiens

<400>  136

Ala Ala Trp Asp Asp Ser Leu Ala Trp Phe Val
1          5          10

<210>  137
<211>  10
<212>  PRT
<213>  Homo sapiens

<400>  137

Leu Ala Trp Asp Thr Ser Pro Arg Trp Val
1          5          10

<210>  138
<211>  10
<212>  PRT
<213>  Homo sapiens

<400>  138

Thr Ala Trp Asp Asp Ser Leu Ala Val Val
1          5          10

<210>  139
<211>  11
<212>  PRT
<213>  Homo sapiens

<400>  139

Asn Ser Arg Asp Ser Ser Gly Asn His Arg Val
1          5          10
```

# Sequence Listing.txt

<210> 140  
 <211> 9  
 <212> PRT  
 <213> Homo sapiens

<400> 140

Gln Gln Tyr Gly Ser Ser Gln Arg Thr  
 1 5

<210> 141  
 <211> 10  
 <212> PRT  
 <213> Homo sapiens

<400> 141

Ala Ala Trp Asp Asp Ser Leu Arg Leu Val  
 1 5 10

<210> 142  
 <211> 9  
 <212> PRT  
 <213> Homo sapiens

<400> 142

Met Gln Gly Thr His Trp Arg Pro Thr  
 1 5

<210> 143  
 <211> 9  
 <212> PRT  
 <213> Homo sapiens

<400> 143

Met Gln Gly Lys His Trp Pro Leu Thr  
 1 5

<210> 144  
 <211> 9  
 <212> PRT  
 <213> Homo sapiens

<400> 144

Ala Ala Trp Asp Asp Ser Leu Gly Phe  
 1 5

<210> 145  
 <211> 9



# Sequence Listing.txt

<212> PRT  
<213> Homo sapiens

<400> 145

Met Gln Gly Thr His Arg Arg Ala Thr  
1 5

<210> 146  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 146

Met Gln Ala Leu Gln Thr Pro Leu Thr  
1 5

<210> 147  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 147

Met Arg Gly Thr His Arg Arg Ala Thr  
1 5

<210> 148  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 148

Met Gln Gly Thr His Trp His Pro Thr  
1 5

<210> 149  
<211> 8  
<212> PRT  
<213> Homo sapiens

<400> 149

Met Gln Ala Leu Gln Ser Pro Thr  
1 5

<210> 150  
<211> 10  
<212> PRT  
<213> Homo sapiens

Sequence Listing.txt

<400> 150

Ala Ala Trp Asp Asp Ser Leu Ala Phe Val  
1 5 10

<210> 151

<211> 8

<212> PRT

<213> Homo sapiens

<400> 151

Met Gln Ala Leu Gln Thr Pro Thr  
1 5

<210> 152

<211> 8

<212> PRT

<213> Homo sapiens

<400> 152

Gln Gln Ser Tyr Ser Thr Arg Thr  
1 5

<210> 153

<211> 9

<212> PRT

<213> Homo sapiens

<400> 153

Met Gln Gly Thr His Trp Pro Phe Thr  
1 5

<210> 154

<211> 9

<212> PRT

<213> Homo sapiens

<400> 154

Met Gln Gly Thr His Trp Pro Ala Thr  
1 5

<210> 155

<211> 10

<212> PRT

<213> Homo sapiens

<400> 155

# Sequence Listing.txt

Ala Ala Trp Asp Asp Ser Leu Arg Ser Val  
1 5 10

<210> 156  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 156

Ala Ala Trp Asp Asp Ser Leu Leu Val  
1 5

<210> 157  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 157

Asp Ser Trp Asp Asn Ser Leu Val Ser Pro Val  
1 5 10

<210> 158  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 158

Met Gln Ala Leu Gln Ser Pro Ala Thr  
1 5

<210> 159  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 159

Met Gln Ala Leu Gln Thr Pro Val Thr  
1 5

<210> 160  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 160

Ala Ala Trp Asp Asp Ser Leu Ser Ala Tyr Val

Sequence Listing.txt

```

1              5              10

<210>  161
<211>  11
<212>  PRT
<213>  Homo sapiens

<400>  161

Asn Ser Arg Asp Ser Ser Gly Arg Val Asn Val
1              5              10

<210>  162
<211>  8
<212>  PRT
<213>  Homo sapiens

<400>  162

Met Gln Ala Leu Arg Thr Arg Thr
1              5

<210>  163
<211>  11
<212>  PRT
<213>  Homo sapiens

<400>  163

Ala Ala Trp Asp Asp Ser Leu Phe Tyr Pro Val
1              5              10

<210>  164
<211>  9
<212>  PRT
<213>  Homo sapiens

<400>  164

Met Gln Gly Thr His Trp Pro Val Thr
1              5

<210>  165
<211>  8
<212>  PRT
<213>  Homo sapiens

<400>  165

Met Gln Gly Thr His Trp Arg Thr
1              5

```

# Sequence Listing.txt

<210> 166  
 <211> 10  
 <212> PRT  
 <213> Homo sapiens

<400> 166

Ala Ala Trp Asp Asp Ser Leu Phe Tyr Val  
 1 5 10

<210> 167  
 <211> 9  
 <212> PRT  
 <213> Homo sapiens

<400> 167

Met Gln Ser Ile Gln Leu Pro Leu Thr  
 1 5

<210> 168  
 <211> 11  
 <212> PRT  
 <213> Homo sapiens

<400> 168

Ala Ala Trp Asp Asp Ser Leu Leu Gly Ser Val  
 1 5 10

<210> 169  
 <211> 9  
 <212> PRT  
 <213> Homo sapiens

<400> 169

Cys Ser Tyr Ala Gly Ser Ser Tyr Val  
 1 5

<210> 170  
 <211> 8  
 <212> PRT  
 <213> Homo sapiens

<400> 170

Gln Gln Asp Tyr Asn Leu Leu Thr  
 1 5

<210> 171  
 <211> 10

Sequence Listing.txt

<212> PRT  
<213> Homo sapiens

<400> 171

Val	Leu	Tyr	Met	Gly	Ser	Gly	Ser	Ala	Val
1				5					10

<210> 172  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 172

Met	Gln	Arg	Ile	Glu	Phe	Pro	Asn	Thr
1				5				

<210> 173  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 173

Ala	Ala	Trp	Asp	Asp	Ser	Leu	Ala	Cys	Ala	Val
1				5					10	

<210> 174  
<211> 8  
<212> PRT  
<213> Homo sapiens

<400> 174

Gln	Gln	Ala	Asn	Ser	Phe	Arg	Thr
1				5			

<210> 175  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 175

Ala	Ala	Trp	Asp	Asp	Ser	Leu	Ser	Arg	Pro	Val
1				5					10	

<210> 176  
<211> 10  
<212> PRT  
<213> Homo sapiens

Sequence Listing.txt

<400> 176

Ala Ala Trp Asp Asp Ser Leu Tyr Asn Val  
1 5 10

<210> 177

<211> 11

<212> PRT

<213> Homo sapiens

<400> 177

Ala Ala Trp Asp Asp Ser Leu Asn Arg Asn Val  
1 5 10

<210> 178

<211> 8

<212> PRT

<213> Homo sapiens

<400> 178

Met Gln Val Leu Gln Thr Arg Thr  
1 5

<210> 179

<211> 8

<212> PRT

<213> Homo sapiens

<400> 179

Met Gln Ala Leu Gln Thr Arg Thr  
1 5

<210> 180

<211> 8

<212> PRT

<213> Homo sapiens

<400> 180

Gln Gln Ser Tyr Ser Thr Arg Met  
1 5

<210> 181

<211> 8

<212> PRT

<213> Homo sapiens

<400> 181

# Sequence Listing.txt

Met Gln Ala Leu Gln Thr Leu Thr  
1 5

<210> 182  
<211> 8  
<212> PRT  
<213> Homo sapiens

<400> 182

Met Arg Ala Leu Gln Thr Pro Thr  
1 5

<210> 183  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 183

Ala Ala Trp Asp Asp Ser Leu Pro Gly Tyr Val  
1 5 10

<210> 184  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 184

Ala Ala Trp Asp Asp Ser Leu Gly Phe Val  
1 5 10

<210> 185  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 185

Ala Ala Trp Asp Asp Ser Leu Phe Leu Val  
1 5 10

<210> 186  
<211> 8  
<212> PRT  
<213> Homo sapiens

<400> 186

Met Gln Ser Ile Gln Leu Arg Thr



# Sequence Listing.txt

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1                               5

<210> 187
<211> 10
<212> PRT
<213> Homo sapiens

<400> 187

Ala Ala Trp Asp Asp Ser Leu Ser Ile Val
1                               5                               10

<210> 188
<211> 8
<212> PRT
<213> Homo sapiens

<400> 188

Met Gln Gly Thr His Trp Pro Thr
1                               5

<210> 189
<211> 8
<212> PRT
<213> Homo sapiens

<400> 189

Met Gln Ala Leu His Thr Arg Thr
1                               5

<210> 190
<211> 9
<212> PRT
<213> Homo sapiens

<400> 190

Asn Ser Arg Asp Ser Ser Gly Ser Val
1                               5

<210> 191
<211> 9
<212> PRT
<213> Homo sapiens

<400> 191

Gln Gln Tyr Gly Ser Ser Pro Tyr Thr
1                               5

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Sequence Listing.txt

<210> 192  
 <211> 8  
 <212> PRT  
 <213> Homo sapiens

<400> 192

Gln Gln Ser Tyr Ser Thr Arg Thr  
 1 5

<210> 193  
 <211> 9  
 <212> PRT  
 <213> Homo sapiens

<400> 193

Gln Gln Ala Asn Ser Phe Ala Ala Thr  
 1 5

<210> 194  
 <211> 9  
 <212> PRT  
 <213> Homo sapiens

<400> 194

Gln Gln Ala Asn Ser Phe Pro Ala Thr  
 1 5

<210> 195  
 <211> 10  
 <212> PRT  
 <213> Homo sapiens

<400> 195

Val Leu Tyr Met Gly Ser Gly Val Tyr Val  
 1 5 10

<210> 196  
 <211> 11  
 <212> PRT  
 <213> Homo sapiens

<400> 196

Ala Ala Trp Asp Asp Ser Leu Trp Ser Ala Val  
 1 5 10

<210> 197  
 <211> 12

Sequence Listing.txt

<212> PRT  
<213> Homo sapiens

<400> 197

Ala Ala Trp Asp Asp Ser Leu Pro Arg Arg Leu Val  
1 5 10

<210> 198  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 198

Ala Ala Trp Asp Asp Ser Leu Pro Ser Gly Val  
1 5 10

<210> 199  
<211> 8  
<212> PRT  
<213> Homo sapiens

<400> 199

Met Gln Ala Leu Gln Thr Leu Thr  
1 5

<210> 200  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 200

Ala Ala Trp Asp Asp Gly Leu Leu Arg Val  
1 5 10

<210> 201  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 201

Ala Ala Trp Asp Asp Ser Leu Ala Leu Val  
1 5 10

<210> 202  
<211> 11  
<212> PRT  
<213> Homo sapiens

# Sequence Listing.txt

<400> 202

Asn Ser Arg Asp Ser Ser Gly Phe Gln Leu Val  
1 5 10

<210> 203

<211> 277

<212> PRT

<213> Homo sapiens

<400> 203

Met Lys Tyr Leu Leu Pro Thr Ala Ala Ala Gly Leu Leu Leu Leu Ala  
1 5 10 15

Ala Gln Pro Ala Met Ala Glu Val Gln Leu Val Glu Ser Gly Gly Gly  
20 25 30

Val Val Arg Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly  
35 40 45

Phe Thr Phe Asp Asp Tyr Gly Met Ser Trp Val Arg Gln Ala Pro Gly  
50 55 60

Lys Gly Leu Glu Trp Val Ser Gly Ile Asn Trp Asn Gly Gly Ser Thr  
65 70 75 80

Gly Tyr Ala Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn  
85 90 95

Ala Lys Asn Ser Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp  
100 105 110

Thr Ala Val Tyr Tyr Cys Ala Arg Leu Thr His Pro Tyr Phe Trp Gly  
115 120 125

Gln Gly Thr Leu Val Thr Val Ser Arg Gly Gly Gly Gly Ser Gly Gly  
130 135 140

Gly Gly Ser Gly Gly Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala  
145 150 155 160

Val Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp  
165 170 175

Sequence Listing.txt

Ser	Leu	Arg	Ser	Tyr	Tyr	Ala	Ser	Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Gln		
			180					185					190				
Ala	Pro	Val	Leu	Val	Ile	Tyr	Gly	Lys	Asn	Asn	Arg	Pro	Ser	Gly	Ile		
		195					200					205					
Pro	Asp	Arg	Phe	Ser	Gly	Ser	Ser	Ser	Gly	Asn	Thr	Ala	Ser	Leu	Thr		
	210					215					220						
Ile	Thr	Gly	Ala	Gln	Ala	Glu	Asp	Glu	Ala	Asp	Tyr	Tyr	Cys	Asn	Ser		
225					230					235					240		
Arg	Asp	Ser	Ser	Gly	Asn	His	Val	Val	Phe	Gly	Gly	Gly	Thr	Lys	Leu		
				245					250					255			
Thr	Val	Leu	Gly	Ala	Ala	Ala	Glu	Gln	Lys	Leu	Ile	Ser	Glu	Glu	Asp		
			260					265					270				
Leu	Asn	Gly	Ala	Ala													
		275															